

Research and Publications

1. Chandramouli S and Eswaraiah K , "Modeling of Electrical Discharge Machining of 17-4 PH steel using Regression Analysis and Artificial Neural Network", International Journal of applied Engineering Research ,ISSN 0973-4562 Vol 11,Number 7, 2016
2. Chandramouli S and Eswaraiah K , "Mathematical modeling of process Parameters in Electrical discharge Machining on 17-4 PH steel using Regression Analysis", ARPN Journal of Engineering and Applied Science, Vol 11 ,2016.
3. Dr. G. Srinivas Rao, P. Vemkateswa Rao, "Numerical and Experimental investigation of packed bed thermal energy storage system with Al2O3 Nanofluid", *International Research Journal of Engineering and Technology*, e-ISSN: 2395-0056, Jan-2016, 03(01), 582-590.
4. Dr. Raja Narendar Reddy. K , Sripathy.S, "Preparation and Characterization of Mechanical Properties of Glass Powder Reinforced Composites with Isophthalic Polyester Resin as Matrix", International Journal of Engineering Research ISSN:2319-6890(online),2347-5013(print) Volume No.5 Issue: Special 2, pp: 350-354 11-12 Feb. 2016 ITMAE@2016 doi : 10.17950/ijer/v5i2/010 Page 350
5. U. Shrinivas Balraj & A. Kumar, "Experimental Investigation on electrical discharge machining of RENE80 nickel super alloy", *International Journal of Machining and Machinability of Materials*, vol.18, Nos.1/2, pp. 99-119, 2016
6. A.Hari Kumar & V. Deepanjali, "DESIGN & ANALYSIS OF AUTOMOBILE CHASSIS", International Journal of Engineering Science and Innovative Technology (IJESIT), Page – 187 to 196, Volume 5, Issue 1, January 2016, ISSN: 2319-5967



Sumshodini Core Team

Conference and Training Programme Attended by Faculty

1. Chandramouli S and Eswaraiah K , "Optimization and experimental Investigation of EDM Process Parameters in Machining of 17-4 PH Steel using Taguchi Method", International conference on Fascinating advancement in Mechanical Engineering , Mepco schlenk Engineering college, sivakasi, March 18-19, 2016.
2. Chandramouli S and Eswaraiah K , Optimization of EDM Process parameters in Machining of 17-4 PH Steel using Taguchi Method , International conference on Materials processing & Characterization (ICMPC-2016) , organized by Gokaraju Rangaraju Institute Engineering and of Technology Hyderabad, 12-13 March 2016.
3. P.S.S. Murthy; A. Satyadevi; A.Gopala Krishna; K. Eswaraiah, "Mass distribution in a spatial mechanism to reduce shaking moment", Proceedings of the 2nd International Conference on Design, Analysis, Manufacturing and Simulation (ICDAMS-2016), April 07&08, 2016 Department of Mechanical Engineering, Saveetha School of Engineering, Saveeetha University, Chennai-602105.
4. V.Sampath, K.Eswaraiah, S.Chandramouli, J. Laxman,"Modeling and Analysis of EDM Process Parameters using Fuzzy Logic" proceedings of the 2nd International Conference on Design and Manufacturing for Product Life Cycle (DPLC-2016),PP: 16-23
5. V.Sampath, K.Eswaraiah, B.Anil Kumar,K.Rajender, "Mathematical Modeling of EDM Process Parameters Based on Regression Analysis" proceedings of the 2nd International Conference on Design and Manufacturing for Product Life Cycle (DPLC-2016),PP: 24-32
5. K. Kishor Kumar, Dr. P. Ramesh Babu, Dr. K. Rajanarender reddy "Differential Scanning Calorimetry Analysis of Some Short Hybrid Fiber Reinforced Natural Composites", International Conference on Fascinating Advancement in Mechanical Engineering (FAME2016), held at Mepco Shlenk engineering college, Sivakasi, Tamilnadu, 18-19, March 2016
6. Dr. Raja Narendar Reddy. K , Sripathy.S, "Preparation and Characterization of Mechanical Properties of Glass Powder Reinforced Composites with Isophthalic Polyester Resin as Matrix", AICTE Sponsored National Conference on Innovative Trends In Mechanical and Automobile Engineering 11-12 February 2016 at MVSR Engineering College Hyderabad.
7. K. Kishor Kumar, Dr. P. Ramesh Babu, Dr. K. Rajanarender reddy "Differential Scanning Calorimetry Analysis of Some Short Hybrid Fiber Reinforced Natural Composites", International Conference on Fascinating Advancement in Mechanical Engineering (FAME2016), held at Mepco Shlenk engineering college, Sivakasi, Tamilnadu, 18-19, March 2016
8. U. Shrinivas Balraj & P. Anitha, "Machinability study on drilling of AL7075/AL203P /GrP hybrid metal matrix composites", *International conf: Trends in Industrial and Mechanical Engineering: ICTIME-2016* (ISBN: 978-93-84935-68-9), NIT-Bhopal, 4-6 February, 2016.
9. Dr. G. Ganesh Kumar, "Simulation Studies On Combined Conduction and Convection Through Perforated Extended Surfaces", Recent Innovation in Mechanical and Manufacturing Engineering (RIMME - 2016), ISBN: 978-93-85100-45-1, pp. 72-76.
10. P.S.S. Murthy; A. Satyadevi; A.Gopala Krishna; K. Eswaraiah "Mass distribution in a spatial mechanism to reduce shaking moment", Proceedings of the 2nd International Conference on Design, Analysis, Manufacturing and Simulation (ICDAMS-2016), April 07&08, 2016 Department of Mechanical Engineering, Saveetha School of Engineering, Saveeetha University, Chennai-602105.



THE PRODIGY

DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER - JUNE 2016

Chief Editor:

Dr. K. Eswaraiah
Professor and Head

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Directors' Message



My heartiest congratulations to the department of Mechanical Engineering, in bringing out a newsletter portraying the academic and non-academic activities of their department. In the era of 'Outcome Based Education', empowering the students is the thrust area to be addressed in a professional Institution. And I am happy to know that department of Mechanical Engineering is moving towards that goal.

Dr. Y. Manohar

Principals' Message



I feel proud and honor to write this message because this newsletter is the testimonial of the commitment of the department towards the outcome based education and enhanced student-teacher learning process which is in line with the vision and mission of the department. I hope that the department will strive further to improve the quality of the education and bring laurels to the institute.

Dr. K. Guru Raj

HODs' Message



It is happy to bring out this newsletter and the best part of the newsletter is that students bagged many accolades and prizes not only in academics but also in extracurricular activities. This newsletter will provide few examples of achievements of the students and faculty in the academic year 2014-2015. I am looking forward to more success from the department

Dr. K. Eswaraiah



A team of `B.Tech 3rd Year Mechanical Engineering students were participated in main event of **EFFI-CAR-2016**, competition, which was held at **UIET, Punjab during 21st – 27th January, 2016** and secured overall 3rd prize, high way run 2nd prize and won total cash prize of Rs.65,000/-

Vision of the Department

- To be a centre of excellence in Mechanical Engineering, to provide the best teaching-learning and research environment, to produce high quality professionals and entrepreneurs to cater the needs of society.

Mission of the Department

- M1: To impart quality education that builds strong ethical attitude, technical knowledge and professional skills by providing congenial teaching-learning environment.
- M2: To nurture the reasoning, problem solving and research capabilities of learners by providing the state-of-the-art facilities, to meet the changing needs of society.
- M3: To inculcate life-long learning and leadership traits for successful professional careers, by counseling and mentoring.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1 : To provide comprehensive knowledge in basic sciences mechanical engineering and multi disciplinary areas.
- PEO2 : To apply modern tools and techniques to design analyze interpret and solve mechanical and allied engineering problems and communicate them effectively.
- PEO3 : To impart responsibility towards socio-technical economical environmental and energy related issues
- PEO4 : To inculcate professionalism ethical attitude team spirit and lifelong learning to achieve career goals

PROGRAM SPECIFIC OUTCOMES (PSOs)

Engineering Graduates will be able

- PSO1 : To apply learned principles and knowledge in various applications of materials, design, thermal, production and industrial engineering.
- PSO2 : To model, analyze, design, develop and implement advanced mechanical systems or processes.

FACULTY DEVELOPMENT PROGRAMME



One Week Faculty Development Program on "RESEARCH METHODOLOGY & COMPUTATIONAL TECHNIQUES (RMCT-16)" was organized from 27 JUNE – 01 JULY 2016, for the first time in the Department of Mechanical Engineering. A total of **Twenty Two** resource persons have delivered a lecture on various topics related to Research methodology and computational Techniques. Four Six (46) members have registered for thr program.

STUDENT WORKSHOP ON IC ENGINES - IGNOTRYST



Department of Mechanical Engineering had organised A One Day Workshop on IC Engines - Ignotryst on 20 Jan 2016 a total of 150 students from different colleges had attended the programme

Mechanical Engineering Students Association (MESA) Activities

S.No.	Event Name	No. of Students Participate
1.	Role Play	40
2.	Technical Quiz	100
3.	Guest Lecture	230
4.	Technical Paper Presentation	70
5.	Group Discussion Sessions	60
6.	Mock Interview	40
7.	Cultural Events	100

OUTGOING BATCH 2012-16



Farewell party was organised for the out-going students (2012-16) by the department.

STUDENTS ACHIEVEMENTS

Number of students placed on campus: 11

Details of students placed on campus:

S.No	Name	Rollno.	Name of Company
1.	U. Sharonlaya	12016T0364	TCS, Hyderabad
2.	V. Abhishek	12016T0373	TCS, Hyderabad
3.	B. Naresh	12016T0376	TCS, Hyderabad
4.	K. Arun Kumar	12016T0418	TCS, Hyderabad
5.	P. Dinesh	12016T0405	Hyundai Motors
6.	N. Giripriya	12016T0311	Hyundai Motors
7.	P. Yamini	12016T0322	Cyient
8.	K. Achyuth	12016T0386	Cyient
9.	S. Sai Krishna	12016T0347	Cyient
10.	B. Bharadwaz	12016T0301	Cyient
11.	Asif Ahmed	12016T0359	Cyient

Placement Orientation Programme

1. **Hyundai Motor India Engineering** conducted campus recruitment drive for B.Tech. (Mech. Engg.) students on **5th Feb. 2016 (Friday)** at our Institute premises. 3Members
2. Cocubes conducted the PreAssessment Test-II (final), for all T&P REGISTERED students on: Date: 16/02/2016 (Tuesday)

GALLERIA: OUR CULTURAL AND TECHNICAL EVENTS



Mechanical Engineering students had participated actively in Two Days National Level Technical Symposium-Sumshodini'16 as part of Sumshodini different technical events had been organised like PPT Presentation, Robo Wars, Robo Race & Technical Quiz etc.,



Sanskriti'16 National Level Cultural Fest